



50 years of phytochemistry research /

Gang, David R. (1968-)

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Monografía

This 43rd volume of RAP includes a total of seven articles based on talks presented at the 50th Anniversary meeting of the PSNA, which was held at the Fairmont Orchid, in Waikoloa, Hawai'i, USA. These seven Perspectives give a very good picture of the breadth of plant (bio)chemistry research in North America, which is also indicative of the state of the field worldwide. Each of these articles describes the integration of several different approaches to ask and then answer interesting questions regarding the function of interesting plant metabolites, either in the plant itself or in interactions with the environment (natural setting or human health application)

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Contenido: Metabolomics reveal hemiterpenoids as new players in the carbon-nitrogen economy Michael H. Beale, Jane L. Ward. -- Electrospray Ionization Traveling Wave Ion Mobility Spectrometry Mass Spectrometry for the Analysis of Plant Phenolics: An Approach for Separation of Regioisomers Claudia S. Maier, Fereshteh Zandkarimi, Samantha Wickramasekara [and others]. -- Camptothecin production and biosynthesis in plant cell cultures Mami Yamazaki, Takashi Asano, Kazuki Saito. -- Plant defense activators: application and prospects in cereal crops Mitchell L. Wise. -- Phytochemicals for pest management: current advances and future opportunities Stephen O. Duke [and others]. -- Sulfhydryl-reactive phytochemicals as dual activators of transcription factors NRF2 and HSF1 Alben T. Dinkova-Kostova [and others]. -- Chemical and biological mechanisms of phytochemical activation of NRF2 and importance in disease prevention Aimee L. Eggler, Sergey N. Savinov

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